ENERGYSTORAGE
STUDIO

A collaboration between

Energy Storage Association & Electric Power Research Institute

October 16 – 17
HILTON CHARLOTTE CITY CENTER
Charlotte, North Carolina
#estorageSTUDIO

ESA | Energy Storage Association

EPRI | ELECTRIC POWER RESEARCH INSTITUTE

Call for Submissions

About the Energy Storage STUDIO Conference

The Energy Storage STUDIO Conference (Storage Uses, Deployment, Integration and Operations) is an event designed to examine the steps necessary to successfully integrate an energy storage project and evaluate the different ways companies are deploying storage to lower costs, reduce emissions, and establish a more resilient electric grid. Unlike any other, the Energy Storage STUDIO Conference brings together energy services companies, project developers, and other stakeholders in an engaging environment of expert technical education and peer-to-peer idea exchange.

The Energy Storage STUDIO Conference is a collaboration between the Energy Storage Association (ESA) and the Electric Power Research Institute (EPRI). ESA's mission is to accelerate the widespread use of competitive and reliable energy storage systems in North America. EPRI's mission is to bring together scientists, engineers, and other industry stakeholders to help address challenges related to electricity. ERPI's Energy Storage and Distributed Generation program covers research activities to support safe, reliable, affordable, and environmentally responsible use of energy storage.

Conference Format

The Energy Storage STUDIO Conference will feature invited guest speakers, and interactive poster presentations. Most of the content during this conference will be in poster format. This call for submissions will only gather submissions for poster presentations; however, all submissions will be considered for other speaking roles.

Each Energy Storage STUDIO session will be two hours long and centered around a specific theme. Each session will have three parts:

- **Invited guest speaker presentations**
  At the beginning of each two-hour session, guest speakers will engage in discussion on stage with the goal of providing technical education on the session theme and context for the upcoming poster presentations. This portion of the session will be approximately 30 minutes long.
- **Rapid-fire topic introductions by poster presenters**
  Following the invited speaker presentations, the session will shift toward highlights of specific work by poster presenters. Presenters will provide short "pitches" of their work on stage. Each presenter will be allotted two to three minutes and a maximum of two slides to pitch their topic. This portion of the session will be approximately 30 minutes long.
- **Poster session, which includes in-depth, intimate discussion and networking**
  Following the on-stage topic pitches, audience members will leave their seats for the poster networking session. Presenters may use posters and personal laptops in the designated area. In addition to the poster, content may also be presented as software, video, slide show, and/or handouts. Conference organizers will provide tables, poster board frames and adhesive materials, but presenters will be responsible for printing, shipping and mounting their own posters and providing any other necessary A/V equipment. ***Accepted poster presenters will receive instructions on how to print, ship and mount posters.***

Important Dates to Remember

June 1	Energy Storage STUDIO Call for Submissions Open
July 9	Energy Storage STUDIO submission deadline
July 16	Registration opens
July 16 - 27	Submission reviews
August 6	All Submitters notified of decision
August 13	All accepted presenters must confirm their acceptance and intent to participate in the Energy Storage STUDIO Conference. All presenters are required to sign the presenter agreement
September 19	Presenters must be registered for the conference
September 24	Discounted hotel rate cutoff
October 16-17	Energy Storage STUDIO Conference (The Hilton City Center, Charlotte, North Carolina)

Submission Policies

1. All content must be technical in nature and for educational purposes only. **Submissions that are based upon marketing or advertisement of products or services will NOT be accepted into the program**. Submissions providing credible data and other evidence will be viewed favorably.
2. Please be sure to include all authors within the proposal description; however, **only one person should be listed as the speaker/presenter in the submission system**.
3. The designated speaker and authors must accept full responsibility for the submission and presentation of the submission, and retain full copyright of their submission, presentation and/or full paper. By submitting, the submitter consents and authorizes the Energy Storage Association (ESA) and the Electric Power Research Institute (EPRI) to publish biography and submission information in any conference publications, website and events app.
4. You may continue to revise your submission up until the deadline. You will have the option to save and return to your submission; however, submissions that are left in draft form will not be reviewed.
5. Late submissions will not be considered.
6. ESA reserves the right to reject any submission for failure to comply with these guidelines. Due to the large number of submissions received for this conference, ESA is unable to provide specific feedback on those that were not accepted for the program.
7. ESA reserves the right to modify or combine submissions and to modify the speakers associated with a specific submission.

Applicant Responsibilities

1. Notify event organizers at education@energystorage.org of any changes, additions and/or corrections in presenter, presentation title, or availability of presenters to give a presentation at the appointed date and time.
2. Accepted presenters who are not able to attend the conference must notify staff immediately. Replacement presenters may be suggested; however, ESA reserves the right to modify or cancel any session based on a change in presenter.
3. Failure to meet any requirements or respond to requests will jeopardize your participation as a presenter at any future Energy Storage STUDIO Conference or other ESA programs.
4. All speakers must be registered for the Energy Storage STUDIO Conference by the deadline provided. Presenters who are not registered by the date noted may be replaced.

Session Topics

All submitters must choose a session topic. Incomplete submissions will not be considered for review.

Session Topic 1: Modeling and Analysis of Energy Storage Value and Grid Impacts

This session will cover the motivation and quantification of benefits and costs for energy storage. It will especially focus on the incorporation of storage valuation into the planning and operations of electric utilities and system operators.

Example topics for this session may include, but are not limited to:

- Analyses of storage value with grid modeling
- Quantification of storage capacity contribution
- Demonstrations or pilots with data on storage value
- Software or novel methodologies for utility planning and operating of storage to maximize system benefits and/or reduce total cost of ownership
- Quantification of greenhouse gas emissions impacts
- Modeling of market sensitivities (e.g. gas prices/availability, participation rules) and impact on potential storage penetration

Session Topic 2: Deployment and Field Experience – Customer Sited

This session will cover a variety of topics related to storage located at residential or C&I customers. It will examine approaches to safe, reliable and valuable solutions that may benefit customers, utilities and society.

Example topics for this session may include, but are not limited to:

- Microgrids for customers, rural communities, islands, etc.
- Storage integrating with other distributed resources: solar, DR, electric vehicles
- Advanced demand response programs and technologies
- Wholesale market participation with customer-sited storage
- Ownership structures for utility usage of customer-sited storage
- Safety measures and implications of new and emerging codes and standards
- Incorporating energy storage into disaster resiliency strategies

Session Topic 3: Deployment and Field Experience – Utility Integration

This session will cover a variety of topics related to electric utility-led efforts to deploy and integrate energy storage systems that are safe, reliable and cost-effective.

Example topics for this session may include, but are not limited to:
- Utility case studies
- Technical-related procurement lessons learned
- Installation, commissioning, recommissioning, and decommissioning
- Measurement and verification design Safety and Codes, Standards, and Regulations (CSRs)
- Utility communication, control, and cybersecurity integration
- Incorporating energy storage into disaster resiliency strategies

Session Topic 4: Advancements in Energy Storage System Technologies

This session will cover advancements made in energy storage system technology including component research and complementary technologies that may facilitate improved system performance, safety, reliability or cost. Technologies with demonstrable technical maturity with test data are preferred.

Example topics for this session may include, but are not limited to:
- Lab data and test results
- Technologies with improved energy density
- Failure modes, safety, and degradation
- Power conversion system advancements, including DC/DC converters
- Battery and system management software
- Thermal management systems
- Containerization and packaging
- Non-battery technologies and key performance, reliability, and safety attributes

Step-by-Step Submission Guide

All submissions must be complete, comprehensive, and deemed relevant and timely to the Conference's audience. **We are only collecting poster submissions in this system; however, all submissions will be considered for an individual presentation. Most of the content for the STUDIO Conference will be in the form of poster presentations.** Submissions may be combined or altered at the sole discretion of the Review Committee.

Step 1: Log in to the Submission Scorecard

If you are a new submitter, click "Submit Now" under New Submitters then go to Step 2.

If you have already logged in and created a profile, click "Login" under "Already Submitted?" If you have already logged in, the access information should pre-populate. If you have already submitted and are logging back in to edit an existing proposal or submit new one, skip to step 5.

Step 2: Create an Account Profile

Information Needed:
Personal Details (Name, Title, Company, Email Address, etc.)
Mailing Address
Contact Details
Administrative Assistant/Additional Point of Contact (if applicable)
Professional Information

Click "Create Account"

Step 3: Sign Privacy Statement
Please read and sign the privacy statement then click Continue.

Step 4: Read Submission Guidelines
Click on 2018 STUDIO Conference Submission Guidelines link at the bottom of the page to review the submission guidelines prior to submitting.

Step 5: Start a Proposal Submission
- Click on ***Click here to begin a new proposal***
- Enter Submission Title
- Click Continue to proceed to the Task List

Step 6: Enter Speaker Information
If you are submitting for another person, please put the actual speaker's information in this section. You may add all the paper authors to the Abstract Description but will only be able to designate one speaker in this section.
- Click "1. Speaker Information"
    - You should see your name entered as the first speaker. If you are a speaker, click on your name to add your additional details. If you are not a speaker, you may remove yourself as a speaker and proceed to Add Speaker.
- Enter the speaker's First Name, Last Name, and Email.
- Click on Add Speaker.
- Then click on the Speakers' name to add the detail about the Speaker. You will not be able to complete the submission process without adding speaker bio data.
- Personal Details *(required)*
- Mailing Address *(required)*
- Contact Details *(required)*
- Administrative Assistant, if applicable (You can also indicate another person who is authorized to be copied on emails to you about the conference.)
- Professional Information *(required)*
- Social Media Information
- Bio *(required)*
- Presentation question (*required*)
- Click Continue.
- Upload photo (or opt out)
- Click Continue
- Add additional speakers, as needed.
    - Required speaker details are not complete until there is a green check mark to the left of the speaker's name.
- When completed, click on Save Speakers.
- Once the Speaker Information Task has been complete, a green check mark will appear over the item.

Step 7: Enter Proposal Details
- Submission Title
- Marketing Title (20 words max)

- Session Topics
  - Review session topics. Scroll down to select a primary session topic and a secondary session topic if you choose.
- Answer presentation question (*required*)
- Detailed Description (500 words maximum)
- Marketing Abstract (120 words maximum)
  - Please provide a short description of your submission that can be used on marketing materials, conference app and website.
- Speaker presenting history (500 words max)
  - This should include background on the speakers'/presenters' history presenting at other conferences.
- Additional Information
- When completed, click Continue.
- Once the Proposal Details have been completed, a green check mark will appear over the item.

Step 8: Upload Abstracts, Papers, Presentations

Use this task item to provide any additional information that you'd like reviewers to consider. The information should be directly relevant to the proposal you are submitting. All materials submitted will be made available as part of the STUDIO Conference proceedings until ESA is notified otherwise in writing. If you do not wish to provide materials, click to the box "I do not wish to provide additional materials."

Once the upload has completed, click "Complete Task."

A green check mark will appear over the item once its completed.

Step 9: Submit Your Proposal

- If you see green check marks on Speaker Information, Proposal Details and Upload Abstracts, Papers, Presentations, click "Save Your Submission."
- To preview your submission, "Click here for a preview of your submission."
- If everything is correct, click Submit.
- *Please note that you may continue to edit your submission up until July 9, 2018.*

Step 10: Submit Another Proposal or Log Out

If you have an additional proposal to submit, complete steps 4-10 for each new proposal.

If you are done, log out or simply close the browser.

You will receive a confirmation email for each completed proposal you submit. The confirmation email will come from education@energystorage.org. Please save this email for future reference. If you do not receive a confirmation email, please check your junk mail then contact us at education@energystorage.org to confirm that your submission has been completed.